

San Tan West

Area Drainage Master Study

Flood Control for the Queen Creek Area

Project Overview

The San Tan West Area Drainage Master Study (ADMS) study area extends over 33 square miles and includes portions of Gilbert, Queen Creek, the Gila River Indian Community and unincorporated Maricopa and Pinal Counties (see map to the right). The ADMS is collecting and compiling information on drainage and flooding problems, developing a detailed existing conditions hydrology model using an advanced computer modeling technique called FLO-2D, and preparing a flood hazard assessment for the area.

This ADMS is one of many projects that the Flood Control District of Maricopa County (District) is conducting in order to protect existing and future development from flood damages during large storms.

Runoff originates in the San Tan Mountains and generally flows north and west. Because of the relatively steep grades in the watershed, the area is typically subject to flash flooding and high sediment loading. Sonoqui Wash is the major watercourse in the watershed and the northern boundary of the study area. The East Maricopa Floodway (EMF) is a major man-made feature and the western boundary of the watershed.

The principal existing land use in the watershed from Hunt Highway north is rural and suburban residential. South of Hunt Highway the area is mostly undeveloped. The future land use within the study area will continue to be mostly residential. It is expected, however, that in the

next ten to fifteen years some commercial centers and large master planned communities will develop. Improvements to the transportation network are also planned to accommodate the growth.

The primary goals of the ADMS are: (1) Identify and quantify flooding and related hazards; and (2) establish guidance for future development that protects public safety and considers the unique natural and physical characteristics of the San Tan West watershed. Another study goal is to quantify and map flooding due to ponding along the EMF. This will include a submittal of Flood Insurance Rate Map revisions to the Federal Emergency Management Agency.



Map not to scale.

Project Partners

The District, the Towns of Queen Creek and Gilbert, Pinal County and the Gila River Indian Community are partners in the San Tan West ADMS. The District is also coordinating with other public agencies, landowners, developers, and residents on this project.

Schedule

The San Tan West ADMS began in June 2012 and is scheduled to be complete by December 2013.

You're Invited to a Public Meeting

Two public meetings will be held for this project. The first public meeting was held in May 2013 to share the purpose of the study and gather information from local residents.

Second Public Meeting

Tuesday, October 22

6:00–7:30PM

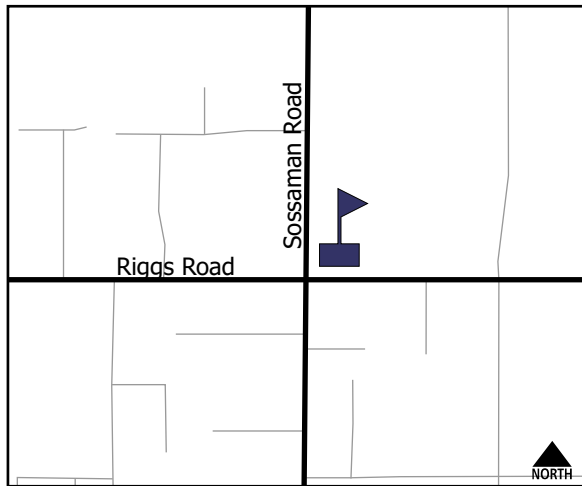
6:30PM presentation

Newell Barney Junior High School

Cafeteria/Multi-Purpose Room

24937 South Sossaman Road

Queen Creek, AZ 85142



Map not to scale.

Contact

Burke Lokey, P.E., CFM, PMP

Project Manager

Flood Control District of Maricopa County

602-506-0867

burkelokey@mail.maricopa.gov

Flood Control District of Maricopa County
2801 West Durango Street
Phoenix, Arizona 85009



October 2013

San Tan West Area Drainage Master Study

Flood Control for the Queen Creek Area



PUBLIC MEETING ANNOUNCEMENT

Maricopa County Board of Supervisor:

Denny Barney, District 1

Town of Queen Creek:

Mayor Gail Barney

Town of Gilbert:

Mayor John Lewis

www.fcd.maricopa.gov